

# UNITED STATES DEPARTMENT OF AGRICULTURE

## SERVICE AND REGULATORY ANNOUNCEMENTS

### BUREAU OF ANIMAL INDUSTRY

MARCH 1941



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### CHANGES IN DIRECTORY

#### Meat Inspection Withdrawn

817. Forest Home Farm, Purcellville, Va.

#### Meat Inspection Extended

967. T. L. Lay Packing Co., Knoxville, Tenn., to include Lay Packing Co.

#### Change of Name of Official Establishment

134. Delaware Packing Co., Wilmington, Del., instead of Wilmington Dressed Beef Co.

155-A. Jacob Zucker, Inc., Brooklyn, N. Y., instead of Jacob Zucker.

577. Vernon Packing Co., Vernon, Tex., instead of The Vernon Packing Co.

794. Chef Boy-Ar-Dee Quality Foods, Inc., Milton, Pa., and The Chef Boiardi Food Products Co., instead of The Chef Boiardi Food Products Co.

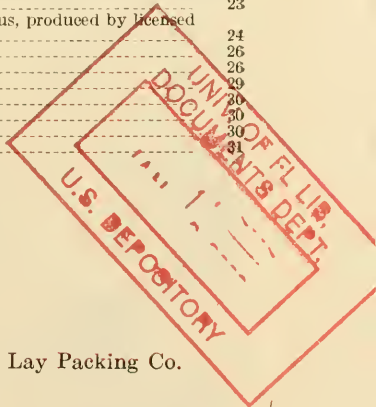
#### Change of Address of Official Establishment

621. Abramo Re, 36-51 Fulton Street, Boston, Mass., instead of 50-52 Fulton Street, Boston, Mass.

#### Change in Number of Official Establishment

624. Boston Sausage & Provision Co., Inc., Boston, Mass., instead of No. 807.

624-A. Boston Sausage & Provision Co., Boston, Mass., instead of No. 624.



## Change of Office Address of Official in Charge

Dr. Don B. Strickler, 917 Federal Office Building, Houston, Tex., instead of 603 Federal Office Building, Houston, Tex.

## Change of Office and Mail Address of Official in Charge

Dr. H. M. Newton, 346-348 Capitol Building, Charleston, W. Va., instead of P. O. box 1721 (office, State Office Building), Charleston, W. Va.

## Change of Mail Address of Official in Charge

Dr. A. D. Moore, P. O. box 1520, Columbus, Ga., instead of P. O. box 1293, Columbus, Ga.

## Change of Official in Charge

Dr. J. A. Thompson succeeds Dr. J. A. Zimmerman as inspector in charge at Spokane, Wash.

Dr. C. B. Bratager succeeds Dr. J. A. Thompson as inspector in charge at West Fargo, N. Dak.

Dr. E. D. Richards succeeds Dr. C. B. Bratager as inspector in charge at Grand Forks, N. Dak.

## Note

On pages 21 and 34 of the Directory, remove character indicating slaughtering operations preceding establishment 3-AJ, Swift & Co., Cincinnati, Ohio.

On pages 23 and 43 of the Directory, remove character indicating slaughtering operations preceding establishment 60, Fried & Reinman Packing Co., Pittsburgh, Pa.

### ANIMALS SLAUGHTERED UNDER FEDERAL MEAT INSPECTION, FEBRUARY 1941<sup>1</sup>

Station	Cattle	Calves	Sheep and lambs	Goats	Swine
Chicago <sup>2</sup> .....	97,681	20,306	191,640	-----	384,251
Denver.....	8,039	1,436	16,930	-----	31,772
Kansas City.....	41,023	12,646	84,992	-----	137,699
New York <sup>3</sup> .....	33,890	52,055	235,039	-----	164,257
Omaha.....	57,059	3,217	91,291	-----	155,797
St. Louis <sup>4</sup> .....	40,587	29,449	28,966	-----	235,797
Sioux City.....	25,629	489	67,180	-----	145,956
South St. Paul <sup>5</sup> .....	52,888	39,684	76,360	-----	191,594
All other stations.....	360,638	224,262	598,322	343	2,278,132
Total:					
February 1941.....	717,434	383,544	1,390,720	343	3,725,255
February 1940.....	715,118	378,025	1,312,541	114	4,277,212
8 months ended—					
February 1941.....	6,793,713	3,501,566	12,037,755	4,305	33,639,656
February 1940.....	6,531,615	3,365,624	11,844,118	2,647	31,306,156

<sup>1</sup> Horses slaughtered:

February 1941.....	1,337
February 1940.....	2,084
8 months ended—	
February 1941.....	22,818
February 1940.....	21,481

<sup>2</sup> Includes Elburn, Ill.<sup>3</sup> Includes Jersey City and Newark, N. J.<sup>4</sup> Includes National Stock Yards and East St. Louis, Ill.<sup>5</sup> Includes Newport and St. Paul, Minn.

# MEAT AND MEAT FOOD PRODUCTS PREPARED AND PROCESSED UNDER FEDERAL MEAT INSPECTION, FEBRUARY 1941

Product	Quantity	Product	Quantity
Meat placed in cure:	<i>Pounds</i>		<i>Pounds</i>
Beef .....	8, 119, 946	Bacon, sliced .....	21, 788, 563
Pork .....	202, 121, 538	Lard:	
Smoked and/or dried:		Rendered .....	106, 218, 068
Beef .....	4, 260, 178	Refined .....	68, 170, 687
Pork .....	116, 279, 234	Canned .....	2, 136, 711
Sausage:		Rendered pork fat:	
Fresh, finished .....	12, 485, 998	Rendered .....	11, 496, 190
Smoked and/or cooked .....	42, 802, 111	Refined .....	4, 431, 846
To be dried or semidried .....	8, 403, 057	Canned .....	4, 676, 047
Loaf, headcheese, chili con carne, jellied products, etc .....	9, 626, 966	Oleo stock .....	8, 839, 971
Cooked meat:		Edible tallow .....	11, 322, 068
Beef .....	431, 109	Compound containing animal fat .....	3, 651, 878
Pork .....	16, 720, 292	Oleomargarine containing animal fat .....	1, 534, 566
Canned meat and meat food products:		Miscellaneous .....	
Beef .....	7, 194, 759		
Pork .....	27, 706, 550	Total .....	1752, 060, 489
Sausage .....	4, 144, 740		
Soup .....	31, 119, 033		
All other .....	15, 750, 459		

<sup>1</sup> This figure represents "inspection pounds" as some of the products may have been inspected and recorded more than once due to having been subjected to more than one distinct processing treatment, such as curing first and then canning.

# MEAT AND MEAT FOOD PRODUCTS CERTIFIED FOR EXPORT, FEBRUARY 1941, WITH COMPARABLE FIGURES FOR FEBRUARY 1940

Product	Quantity during—		Product	Quantity during—	
	February 1941	February 1940		February 1941	February 1940
Beef and veal:	<i>Pounds</i>	<i>Pounds</i>	Pork—Continued.		
Fresh .....	44, 607	86, 709	Edible organs—	<i>Pounds</i>	<i>Pounds</i>
Cured .....	552, 768	818, 529	Fresh .....	141, 425	2, 178, 915
Smoked .....	301	1, 007	Cured .....		30, 240
Canned .....	183, 976	494, 654	Miscellaneous .....		5, 258
Edible organs—			Sausage .....	218, 290	330, 119
Fresh .....	1, 870	846, 551	Lard .....	19, 281, 210	26, 853, 683
Cured .....	1, 496	141	Compound containing animal fat .....	1, 600	6, 147
Mutton and lamb:			Oleo stock .....		208, 524
Fresh .....	7, 784	1, 170, 150	Oleo oil .....	245, 066	123, 435
Canned .....	5, 697	49, 460	Oleostearin .....	110, 825	24, 730
Edible organs—			Oleomargarine .....	4, 800	8, 040
Fresh .....	117	268, 632	Rendered pork fat .....	1, 934, 690	
Cured .....	79	175	Edible tallow .....	1, 480	
Pork:			Total .....	24, 730, 282	53, 294, 704
Fresh .....	85, 506	14, 820, 636	Horse meat .....		288, 222
Cured .....	1, 398, 795	3, 133, 835			
Smoked .....	300, 848	203, 099			
Canned .....	207, 052	1, 632, 035			

**FOOD ANIMALS AND MEAT AND MEAT FOOD PRODUCTS INSPECTED  
WHEN OFFERED FOR IMPORTATION, FEBRUARY 1941**

*Food animals passed for entry*

Country of origin	Cattle	Swine	Sheep	Goats
Mexico.....	73,026	558	-----	-----
Canada.....	10,799	117	95	1
Virgin Islands (to Puerto Rico).....	142	-----	-----	-----
Total:				
February 1941.....	83,967	675	95	1
February 1940.....	45,997	22	11	3
8 months ended—				
February 1941.....	430,520	1,947	3,062	88
February 1940.....	397,659	147	2,252	143

Refused entry: 3,882 cattle. (This figure is not included in the table above.)

*Meat and meat food products passed for entry*

Country of origin	Chilled and frozen fresh meat		Cured meat	Canned meat	Sausage (not canned)	Other products	Total
	Beef and veal	Pork					
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
Argentina.....	-----	-----	-----	2,398,884	-----	-----	2,398,884
Brazil.....	-----	-----	-----	2,815,624	-----	9,968	2,825,592
Canada.....	10,246	1,460,929	109,307	66,246	6,173	624,480	2,277,381
Cuba.....	3,133,190	-----	1,513	5,940	-----	10,673	3,151,316
Great Britain.....	-----	-----	-----	-----	-----	22,200	22,200
New Zealand.....	96,914	-----	-----	-----	-----	65,032	161,946
Paraguay.....	-----	-----	-----	548,547	-----	-----	548,547
Uruguay.....	-----	-----	247,429	656,890	-----	4,300	908,619
Total.....	3,240,350	1,460,929	358,249	6,492,131	6,173	736,653	12,294,485

Condemned: Canned beef, 65 pounds; cured pork, 7 pounds; total, 72 pounds.

Refused entry: Canned beef, 333 pounds; canned beef hash, 38,450 pounds; total, 38,783 pounds.

# SUMMARY OF TUBERCULOSIS-ERADICATION WORK IN COOPERATION WITH STATES, FEBRUARY 1941

State or Territory	Tuberculin tests during month		Total to date <sup>1</sup>			Inspector in charge	State official
	Cattle tested	Cattle re-tested	Once-tested-free herds	Accredited herds	Herds under supervision		
Alabama.....	1,854	11	270,860	568	271,443	R. E. Jackson.....	R. S. Sugg, Auburn.
Arizona.....	3,621	29	12,236	8	12,593	F. L. Schneider.....	T. B. Jones, Phoenix.
Arkansas.....	790	0	231,654	-----	231,654	A. W. Rice.....	C. D. Stubbs, Little Rock.
California.....	117,015	1,101	74,312	21	74,669	W. E. Howe.....	C. U. Duckworth, Sacramento.
Colorado.....	3,889	7	60,611	29	60,846	A. H. Francis.....	R. M. Gow, Denver.
Connecticut.....	15,194	78	426	17,285	18,773	R. L. Smith.....	R. L. Harding, Hartford.
Delaware.....	5,083	10	6,208	2,049	8,281	O. L. Lockwood.....	Harry McDaniel, Jr., Dover.
District of Columbia.....	0	0	15	2	17	A. E. Wight.....	
Florida.....	5,675	11	40,432	66	67,656	T. H. Applewhite.....	J. V. Knapp, Tallahassee.
Georgia.....	4,011	0	242,263	37	242,362	W. C. Dendinger.....	J. M. Sutton, Atlanta.
Idaho.....	6,964	7	51,104	40	51,270	A. K. Kuttler.....	T. A. Elliot, Boise.
Illinois.....	71,618	344	232,973	662	243,199	J. J. Lintner.....	J. P. Stont, Springfield.
Indiana.....	14,039	40	146,034	1,298	147,750	W. A. Sullivan.....	J. L. Axby, Indianapolis.
Iowa.....	211,625	1,078	169,000	662	196,000	J. A. Barger.....	H. A. Seidell, Des Moines.
Kansas.....	3,952	29	170,338	227	171,032	Ralph Graham.....	W. J. Miller, Topeka.
Kentucky.....	2,728	2	163,647	24	163,867	E. E. Coshov.....	L. L. Breck, Hartford.
Louisiana.....	2,236	15	148,783	-----	148,804	W. A. McDonald.....	E. P. Flower, Baton Rouge.
Maine.....	5,809	4	43,116	236	43,817	B. J. Cady.....	D. P. Corbett, Augusta.
Maryland.....	17,297	57	28,710	14,402	43,290	O. L. Lockwood.....	Mark Welsh, Baltimore.
Massachusetts.....	29,280	108	1,029	21,430	23,105	E. M. Aldrich.....	Jas. DeNormandie, Boston.
Michigan.....	37,420	83	206,346	66	207,087	C. H. Hays.....	C. H. Clark, Lansing.
Minnesota.....	20,766	96	194,450	744	195,873	W. J. Fretz.....	C. E. Cotton, St. Paul.
Mississippi.....	5,231	5	260,164	4	260,189	H. Robbins.....	E. S. Brashier, Jackson.
Missouri.....	1,229	17	237,707	76	239,687	W. F. Biles.....	H. E. Curry, Jefferson City.
Montana.....	3,320	0	72,999	23	73,033	G. W. Cronen.....	W. J. Butler, Helena.
Nebraska.....	17,645	46	134,887	36	135,227	J. W. Murdoch.....	J. R. Snyder, Lincoln.
Nevada.....	2,022	3	3,517	2	3,441	S. H. Still.....	Edward Records, Reno.
New Hampshire.....	18,025	22	455	17,842	18,335	E. M. Aldrich.....	R. W. Smith, Concord.
New Jersey.....	28,681	167	1,680	15,138	17,003	J. R. Porteus.....	R. A. Hendershott, Trenton.
New Mexico.....	1,821	0	22,104	17	25,450	F. L. Schneider.....	Sam McCue, Albuquerque.
New York.....	753	3	5,792	138,595	145,524	H. B. Leonard.....	E. T. Faulder, Albany.
North Carolina.....	2,701	2	256,170	463	256,633	A. A. Husman.....	William Moore, Raleigh.
North Dakota.....	13,562	9	66,496	70	69,145	F. C. Driver.....	T. O. Brandenburg, Bismarck.
Ohio.....	41,214	72	247,450	408	247,698	A. J. DeFosset.....	F. L. Carr, Columbus.
Oklahoma.....	6,813	7	276,267	25	276,327	C. H. Fauks.....	D. H. Ricks, Oklahoma City.
Oregon.....	18,173	83	182,837	1,999	191,618	S. B. Foster.....	W. H. Lytle, Salem.
Pennsylvania.....	37,619	269	152,265	7,374	167,013	J. B. Reidy.....	C. P. Bishop, Harrisburg.
Rhode Island.....	1,790	7	2,318	1,299	4,076	E. M. Aldrich.....	G. W. Breed, Providence.
South Carolina.....	2,076	0	56,662	80	56,746	W. K. Lewis.....	W. K. Lewis, Columbia.
South Dakota.....	33,030	90	73,200	3	73,365	Neil Plank.....	R. S. Robinson, Pierre.
Tennessee.....	1,934	0	294,879	23	294,916	H. L. Fry.....	A. C. Topmiller, Nashville.
Texas.....	14,194	3	252,815	78	292,281	H. L. Darby.....	T. O. Booth, Fort Worth.
Utah.....	5,162	29	87,099	128	87,439	H. H. Cohenour.....	W. H. Hendricks, Salt Lake City.
Vermont.....	30,173	62	5,847	18,844	24,756	N. H. Howlett.....	H. H. Jones, Montpelier.
Virginia.....	5,869	5	198,428	613	199,294	H. S. Miller.....	E. C. Givens, Richmond.
Washington.....	5,703	12	76,410	39	76,475	J. C. Exline.....	M. R. Hales, Olympia.
West Virginia.....	4,198	3	114,092	591	114,696	H. M. Newton.....	J. B. McLaughlin, Charleston.
Wisconsin.....	47,222	37	179,198	7,221	186,615	J. S. Healy.....	V. S. Larson, Madison.
Wyoming.....	2,108	7	19,661	3	19,629	F. H. Melvin.....	H. D. Port, Cheyenne.
Hawaii.....	1,233	2	1,710	-----	1,710	A. H. Julien.....	E. H. Willers, Honolulu.
Puerto Rico.....	6,360	69	19,000	250	20,000	E. E. Maas.....	Isidoro A. Colon, San Juan.
Virgin Islands.....	0	0	424	-----	424	do.....	G. C. Kendall, Christiansted.
Total.....	940,727	4,141	5,797,080	271,100	6,202,133		

<sup>1</sup> All States are 100 percent modified accredited. Puerto Rico and the Virgin Islands are also in the modified accredited area.

# SUMMARY OF BANG'S DISEASE WORK IN COOPERATION WITH STATES, FEBRUARY 1941 <sup>1</sup>

State or Territory	Agglutination blood tests completed during month		Results of agglutination blood tests during month						Herds under supervision	Cattle on waiting list
	Herds	Cattle	Herds containing infection	Total cattle in herds	Re-actors	Negative				
						Herds	Cattle			
Alabama.....	6,426	28,187	135	7,388	385	6,291	20,799	87,531	54,044	
Arizona.....	434	1,917	22	558	27	412	1,359	3,834	2,000	
Arkansas.....	1,461	17,188	118	3,898	267	1,343	13,290	182,031	-----	
California.....								10		
Colorado.....	192	3,084	33	1,360	91	159	1,724	2,228	6,307	
Connecticut.....	83	2,390	29	770	68	54	1,620	406		
Delaware.....	620	4,687	34	883	76	586	3,804	5,847	1,124	
Florida.....	1,320	25,751	98	9,079	257	1,222	16,672	20,397		
Georgia.....	2,845	18,226	119	5,583	298	2,726	12,643	103,256	119,611	
Idaho.....	455	6,105	74	1,647	205	381	4,458	38,003	-----	
Illinois.....	216	3,509	23	522	82	193	2,987	12,931		
Indiana.....	273	3,364	31	671	60	242	2,693	4,405	465	
Iowa.....	1,356	23,740	414	8,700	1,276	942	15,040	25,189	26,681	
Kansas.....	185	4,008	40	1,074	135	145	2,934	2,878	596	
Kentucky.....	218	4,928	40	1,278	130	178	3,650	38,554		
Louisiana.....	1,742	15,942	61	3,911	151	1,681	12,031	62,790	82,972	
Maine.....	208	3,092	55	1,006	143	153	2,086	3,654	482	
Maryland.....	1,038	15,491	193	4,464	481	845	11,027	20,914	6,843	
Massachusetts.....	1	63				1	63	148		
Michigan.....	1,646	16,282	147	2,460	314	1,499	13,822	17,885	6,914	
Minnesota.....	5,192	95,635	421	10,460	1,026	4,771	85,175	78,479	78,721	
Mississippi.....	883	6,737	82	2,171	98	801	4,566	7,224		
Missouri.....	827	11,561	122	2,008	274	705	9,553	78,717		
Montana.....	215	2,432	28	502	63	187	1,930	5,584	16	
Nebraska.....	81	1,400	9	261	19	72	1,139	5,526	1,607	
Nevada.....	22	472	6	87	15	16	385	1,437	250	
New Hampshire.....	844	11,450	116	3,163	265	728	8,287	5,132	1,320	
New Jersey.....	125	5,250	14	1,975	58	111	3,275	403		
New Mexico.....	93	2,276	15	649	54	78	1,627	9,566	1,000	
New York.....	432	13,683	122	4,709	234	310	8,974	4,015	21,669	
North Carolina.....	5,273	20,410	51	1,866	84	5,222	18,544	181,942	65,000	
North Dakota.....	758	14,335	39	1,263	91	719	13,072	34,794	345,978	
Ohio.....	2,779	25,931	424	6,473	1,043	2,355	19,458	51,447	29,000	
Oklahoma.....	779	11,493	133	3,722	399	646	7,771	44,267	40,000	
Oregon.....	1,904	22,365	94	2,767	219	1,810	19,598	89,636		
Pennsylvania.....	2,674	44,221	534	11,518	1,180	2,140	32,703	64,457	212,219	
Rhode Island.....	42	1,370	12	587	26	30	783	85		
South Carolina.....	552	4,297	12	272	27	540	4,025	28,676	3,000	
South Dakota.....	82	1,801	27	765	77	55	1,036	1,585	890	
Tennessee.....	583	11,091	110	4,681	337	473	6,410	44,709	8,000	
Texas.....	217	10,575	30	4,354	103	187	6,221	1,874	2,500	
Utah.....	486	4,415	67	978	135	419	3,437	26,734		
Vermont.....	343	3,783	90	1,244	180	253	2,539	459	231	
Virginia.....	1,566	17,179	125	3,950	277	1,441	13,229	183,241	118,421	
Washington.....	1,559	21,970	105	4,341	314	1,454	17,629	77,266		
West Virginia.....	1,323	9,762	22	695	53	1,301	9,067	54,908		
Wisconsin.....	3,196	65,551	685	18,106	1,804	2,511	47,445	76,389	11,740	
Wyoming.....	115	1,918	11	380	35	104	1,538	2,718	-----	
Puerto Rico.....								3		
Total.....	53,664	641,317	5,172	149,199	12,936	48,492	492,118	1,794,164	1,249,601	

<sup>1</sup> Officials in charge of Bang's disease work are the same as those listed in summary of tuberculosis-eradication work.

**BIOLOGICAL PRODUCTS PREPARED UNDER LICENSES, FEBRUARY 1941***Anti-hog-cholera serum*

Period	Preserved	Completed	Released	Destroyed
	Cc.	Cc.	Cc.	Cc.
February 1941.....	82, 287, 693	71, 174, 164	56, 177, 945	345, 305
February 1940.....	107, 638, 859	102, 514, 323	71, 210, 500	420, 040
8 months ended—				
February 1941.....	697, 300, 642	705, 660, 201	700, 903, 340	2, 822, 159
February 1940.....	887, 736, 106	869, 898, 162	749, 679, 210	4, 237, 191

*Hog-cholera virus*

Period	Produced			Destroyed	
	Simulta- neous	Hyperim- munizing	Inoculat- ing	Simulta- neous	Hyperim- munizing
	Cc.	Cc.	Cc.	Cc.	Cc.
February 1941.....	3, 823, 281	18, 912, 017	78, 664	188, 512	743, 173
February 1940.....	2, 542, 123	22, 430, 261	71, 416	108, 335	753, 174
8 months ended—					
February 1941.....	40, 012, 088	135, 740, 712	488, 194	2, 182, 076	4, 602, 085
February 1940.....	35, 242, 075	174, 526, 132	529, 095	2, 270, 969	5, 730, 404

**INSPECTIONS AND TESTS IN THE PRODUCTION OF ANTI-HOG-CHOLERA SERUM AND HOG-CHOLERA VIRUS UNDER LICENSES, FEBRUARY 1941**

Period	Animal in- spections	Animal rejec- tions	Pigs in- oculated	Hogs hy- pered	Tests supervised	
					Serum	Virus
February 1941.....	244, 849	2, 771	21, 962	14, 831	272	156
February 1940.....	297, 691	3, 209	24, 099	17, 718	367	84
8 months ended—						
February 1941.....	1, 946, 674	18, 346	163, 200	106, 703	2, 756	1, 361
February 1940.....	2, 444, 212	26, 277	193, 326	138, 514	3, 405	1, 339

**PERMITS ISSUED FOR BIOLOGICAL PRODUCTS AND MATERIAL, FEBRUARY 1941**

Special permit was issued February 20, 1941, to B. Tucker, British Purchasing Commission, 15 Broad Street, New York, N. Y., to import through the port of New York, N. Y., one shipment of biologics, under the provisions of B. A. I. Order 276.

Special permit was issued February 20, 1941, to Lederle Laboratories, Inc., Pearl River, N. Y., to import via air express one shipment of material (organisms or vectors) from Canada, under the provisions of Amendment 14 to B. A. I. Order 276.

**BIOLOGICAL PRODUCTS, OTHER THAN ANTI-HOG-CHOLERA SERUM  
AND HOG-CHOLERA VIRUS, PRODUCED BY LICENSED ESTABLISH-  
MENTS DURING CALENDAR YEAR ENDED DECEMBER 31, 1940**

ANTITOXINS	<i>Units</i>	<i>Doses</i>
Antivenin.....		386
Botulinus antitoxin.....	100, 445, 000	
Tetanus antitoxin.....	586, 343, 000	
Total.....	<u>686, 788, 000</u>	<u>386</u>

ANTI-SERA AND NORMAL SERA	<i>Doses</i>
Antianthrax serum.....	194, 253
Antibacterial serum (bovine).....	95, 431
Antibacterial serum (canine).....	219, 725
Antibacterial serum (equine).....	86, 329
Antibacterial serum (feline).....	50, 017
Antibacterial serum (porcine).....	16, 556
Antiblackleg serum.....	4, 654
Anti-bronchisepticus-bacillus serum.....	3, 706
Anti-bronchisepticus-coli-pasteurella serum.....	7, 262
Anti-canine-distemper serum.....	689, 236
Anti-coli-enteritidis-pasteurella serum.....	4, 020
Anti-colon-bacillus serum.....	3, 644
Antiencephalomyelitis serum:	
Eastern.....	2, 662
Western.....	6, 890
Eastern and western.....	4, 379
Anti-feline-distemper serum.....	7, 720
Anti-hemorrhagic-septicemia serum.....	314, 055
Antistreptococcus serum.....	2, 117
Anti-swine-erysipelas serum.....	1, 772, 776
Gonadin serum.....	14, 077
Normal serum:	
Bovine origin.....	2, 044
Canine origin.....	4, 610
Equine origin.....	65, 407
Total.....	<u>3, 521, 570</u>

AGGRESSINS	<i>Doses</i>
Blackleg cultural aggressin.....	1, 515, 109
Blackleg natural aggressin.....	2, 184, 981
Hemorrhagic-septicemia aggressin.....	1, 300, 785
Total.....	<u>5, 000, 875</u>

DIAGNOSTIC AGENTS	<i>Doses</i>
Avian tuberculin.....	123, 311
Johnin.....	432
Mallein:	
Intradermic.....	2, 280
Ophthalmic.....	37, 121
Subcutaneous.....	37
Pullorin.....	41, 800
Tuberculin:	
Intradermic.....	1, 470, 337
Ophthalmic.....	11, 780
Subcutaneous.....	14, 388
Total.....	<u>1, 701, 486</u>

## VACCINES AND VIRUSES

	<i>Doses</i>
Anthrax spore vaccine.....	4, 363, 371
Blackleg cultural vaccine.....	661, 110
Blackleg tissue vaccine.....	334, 580
Brucella abortus vaccine.....	1, 182, 067
Canine-distemper vaccine.....	252, 163
Canine-distemper virus.....	65, 493
Encephalomyelitis vaccine:	
Eastern.....	209, 881
Western.....	3, 482, 450
Eastern and western.....	96, 939
Fowl-laryngotracheitis vaccine:	
Chick-embryo origin.....	7, 467, 125
Chicken origin.....	2, 578, 500
Fowl-pox vaccine:	
Chick-embryo origin.....	11, 957, 350
Chicken origin.....	13, 386, 400
Ovine-ecthyma vaccine.....	1, 619, 300
Pigeon-pox vaccine:	
Chick-embryo origin.....	933, 800
Pigeon origin.....	1, 658, 700
Rabies vaccine.....	988, 719
Swine-erysipelas vaccine (export only).....	115, 220
Wart vaccine.....	2, 032
Total.....	51, 305, 200

## TOXOIDS

	<i>Doses</i>
Staphylococcus aureus toxoid.....	14, 100
Tetanus toxoid.....	22, 079
Total.....	36, 179

## BACTERINS

	<i>Doses</i>
Anthrax bacterin.....	236, 710
Autogenous bacterin.....	284, 372
Avisepticus-gallinarum bacterin.....	4, 644, 810
Blackleg bacterin.....	12, 601, 657
Bronchisepticus-coli-pasteurella bacterin.....	29, 627
Bronchisepticus-staphylococcus-streptococcus bacterin.....	110, 036
Bronchisepticus-streptococcus bacterin.....	5, 697
Clostridium-chauvei-septicus bacterin.....	117, 460
Clostridium chauvei-welchii bacterin (export only).....	445, 480
Clostridium hemolyticum bacterin.....	171, 495
Coli-enteritidis-pasteurella bacterin.....	10, 757
C. pyogenes-staph-strep bacterin.....	56, 492
Coli-staph-strep bacterin.....	6, 020
Colon-bacillus bacterin.....	5, 153
Gallinarum-typhimurium bacterin.....	541, 625
Hemorrhagic-septicemia bacterin.....	8, 957, 206
Listerella monocytogenes bacterin.....	13, 650
Pasteurella avicida bacterin.....	1, 518, 990
Pasteurella-pseudodiphthericum bacterin.....	444, 046
Salmonella-abortivoequina bacterin.....	10, 423
Salmonella-cholerasuis bacterin.....	56, 800
Staphylococcus bacterin.....	800
Staphylococcus-streptococcus bacterin.....	14, 631
Streptococcus bacterin.....	69, 125
Total.....	30, 353, 062

MIXED BACTERINS		Doses
Mixed bacterin (avian)-----		16, 051, 868
Mixed bacterin (bovine)-----		10, 019, 977
Mixed bacterin (canine)-----		272, 518
Mixed bacterin (equine)-----		936, 346
Mixed bacterin (feline)-----		87, 964
Mixed bacterin (lepine)-----		18, 385
Mixed bacterin (ovine)-----		1, 357, 044
Mixed bacterin (porcine)-----		3, 524, 273
Total-----		32, 268, 375
Grand total:		
Doses-----		124, 187, 133
Units-----		686, 788, 000

### RESULTS OF PROSECUTIONS FOR VIOLATIONS OF LAWS

Penalties and fines have been imposed in prosecutions for violations of regulatory laws, as reported to the Bureau, as follows:

#### Twenty-Eight-Hour Law

Chicago, Rock Island & Pacific Railway Co. (6 cases), \$600 penalties.  
 Erie Railroad Co. (3 cases), \$300 penalties.  
 Indiana Harbor Belt Railroad Co., \$100 penalty.  
 Pennsylvania Railroad Co. (5 cases), \$500 penalties.  
 Union Pacific Railroad Co. (3 cases), \$300 penalties.

#### Meat Inspection Act

For offering uninspected meat for interstate shipment:

Kepnes Beef Co., Boston, Mass., \$25 fine. (M. I. case No. 1873.)  
 Lincoln Beef Co., Inc., Boston, Mass., \$25 fine. (M. I. case No. 1858.)

For offering uninspected calf carcasses for interstate shipment:

Walter F. Baetke, Manitowoc, Wis., \$100 fine. (M. I. case No. 1889.)  
 Edwin Bleser, Manitowoc, Wis., \$100 fine. (M. I. case No. 1884.)  
 Ray E. Brunner, Whitelaw, Wis., \$125 fine. (M. I. case No. 1892.)  
 J. E. Cisler, Valders, Wis., \$125 fine. (M. I. case No. 1877.)  
 Elmer Jole, Manitowoc, Wis., \$125 fine. (M. I. case No. 1882.)  
 Ole Jole, Valders, Wis., \$100 fine. (M. I. case No. 1879.)  
 Frank C. Kellner, Maribel, Wis., \$100 fine. (M. I. case No. 1891.)  
 Joseph Kolarik, Tisch Mills, Wis., \$150 fine. (M. I. case No. 1887.)  
 Frank Oswald, Cato, Wis., \$100 fine. (M. I. case No. 1880.)  
 Edwin Shimek, Kellnersville, Wis., \$125 fine. (M. I. case No. 1886.)  
 Louis Shimek, Kellnersville, Wis., \$100 fine. (M. I. case No. 1893.)  
 Charles E. Skwor, Mishicot, Wis., \$50 fine. (M. I. case No. 1878.)

### CRESYLIC DISINFECTANTS PERMITTED FOR USE IN OFFICIAL DISINFECTION

(List revised to March 15, 1941)

The Bureau has granted permission for the use of the following cresylic disinfectants in official disinfection:

ACCO Cresylic Solution, Amalgamated Chemical Corporation, Philadelphia, Pa.

Acresel, The Selig Co., Atlanta, Ga.

Adco Cresolis, American Disinfecting Co., Inc., Sedalia, Mo.

Anchor Brand Saponified Cresol Solution, Mountain States Chemical Co., Denver, Colo.

Baird's Solution Cresol Compound, U. S. P. XI, Baird & McGuire, Inc., Holbrook, Mass.

Barker's Saponified Cresylic Acid Solution, Barker, Moore & Mein Co., Philadelphia, Pa.

- Belltex Farm Disinfectant, John G. Gobell Co., New Bedford, Mass.  
Binco Crestall Compound, E. H. Bindley & Co., Terre Haute, Ind.  
Bleecker's Cresylic Compound 56%, Bleecker-Foster, Inc., St. Paul, Minn.  
Booth's Cresylic Compound, J. M. Booth & Co., El Paso, Tex.  
Bourbon Cresylic Disinfectant, Bourbon Remedy Co., Lexington, Ky.  
Brunswig Drug Company's Solution Cresol Compound, U. S. P., Brunswig Drug Co., Los Angeles, Calif.  
Buckeye-Cres, The Davies-Young Soap Co., Dayton, Ohio.  
Cabell's Hatchers Disinfectant, The Cabell Chemical Co., Huntington, W. Va.  
Carbola Liquid Disinfectant, Carbola Chemical Co., Inc., Natural Bridge, N. Y.  
Cardis, The P. M. Frank Disinfecting Co., New York, N. Y.  
Cenol Cresylic Disinfectant, Cenol Co., Inc., Chicago, Ill.  
Certified Brand Liquor Cresolis Saponatus, U. S. P., Norden Laboratories, Lincoln, Nebr.  
Chemo Cattle Disinfectant, Chemo Co., Buffalo, N. Y.  
Clarisol, International Chemical Co., Chicago, Ill.  
Columbia Cresul Fluid, F. C. Sturtevant Co., Hartford, Conn.  
Comet Microsol, M. Vonsen Co., Inc., Petaluma, Calif.  
Composol, Purity Chemical Products Co., Santa Rosa, Calif.  
Consolidated Cresolis, Consolidated Laboratories, St. Louis, Mo.  
Cooper's Saponified Cresylic Solution, William Cooper & Nephews, Chicago, Ill.  
Corn States 50% Cresylic Disinfectant, The Corn States Serum Co., Omaha, Nebr.  
Creal-O 50% Cresol Solution, Louisville Chemical Co., Louisville, Ky.  
Creco Special, Creco Co., Inc., Long Island City, N. Y.  
Cre-Nox, Consumers Glue Co., St. Louis, Mo.  
Creo-Cresolis, L. A. Mosher, Inc., Atlanta, Ga.  
Cre-O-Cris, Rochester Germicide Co., Rochester, N. Y.  
Cre-O-Haag Solution, The Haag Laboratories, Inc., Chicago, Ill.  
Creo-Lic Disinfectant, Hockwald Chemical Co., San Francisco, Calif.  
Creoxil, The Paine Drug Co., Rochester, N. Y.  
Crescent 50% Cresylic Compound, Crescent Oil Co., Indianapolis, Ind.  
Cre-Septic, Theo. B. Robertson Products Co., Inc., Chicago, Ill.  
Cresol Cresol Compound, Fort Pitt Chemical Co., Pittsburgh, Pa.  
Cresoapol, American Veterinary Laboratories, Kansas City, Mo.  
Cresol Compound-Clifton, Clifton Chemical Co., New York, N. Y.  
Cresolave, The Chemical Supply Co., Cleveland, Ohio.  
Cresolutol, Michel & Pelton Co., (Emeryville), Oakland, Calif.  
Creso-Penn, Rockland Chemical Co., Inc., Newark, N. J.  
Crestall Fluid, Baird & McGuire, Inc., St. Louis, Mo., and Holbrook, Mass.  
Cres-Tone, W. D. Carpenter Co., Inc., Syracuse, N. Y.  
Cresyline Cresylic Compound, Hunt Manufacturing Co., Cleveland, Ohio.  
Cresylol, Norden Laboratories, Lincoln, Nebr.  
Cresynol, Wollen Chemical & Supply Co., Paterson, N. J.  
Creusan Saponified Cresylic Disinfectant, U. S. Sanitary Specialties Corporation, Chicago, Ill.  
Crysil-O'Lite-50% Cresylic Disinfectant, Green Mask Laboratories, Sioux City, Iowa.  
Crystal Cresylic Disinfectant, Crystal Soap & Chemical Co., (Tacony), Philadelphia, Pa.  
Curts-Folse Cresylic Compound Solution, Curts-Folse Laboratories, Kansas City, Kans.  
Diamond H Cresyl Fluid, James Huggins & Son, Malden, Mass.  
Dioxy Cresol Compound, Preston T. Rhodes, Philadelphia, Pa.  
Disinfecto, General Poultry Laboratories, Sioux Falls, S. Dak.  
Dissol, The Daytol Co., Celina, Ohio.  
Dixsoline, Dixie Chemical Co., Inc., New Orleans, La.  
Dolge Cresylic Disinfectant, The C. B. Dolge Co., Westport, Conn.  
Dr. Hess Saponified Cresol Solution, Dr. Hess & Clark, Inc., Ashland, Ohio.  
Dr. LeGear's Cresylic Disinfectant, Dr. L. D. LeGear Medicine Co., St. Louis, Mo.  
Dr. Saunders' 50% Cresol Solution, Stockton Veterinary Supply Co., Stockton, Calif.  
Dr. Sylvester's Cresylic Compound, A. Aarons Co., Inc., New Orleans, La.  
Eastern States Cresylic Disinfectant, Eastern States Farmers' Exchange, Springfield, Mass.

Economy Disinfectant, Economy Hog & Cattle Powder Co., Shenandoah, Iowa.

Elkay's Cresylic Agricultural Disinfectant, United Drug Co., Boston, Mass.

Farnasol, Lehn & Fink Products Corporation, Bloomfield, N. J.

Fecticide, Parke, Davis & Co., Detroit, Mich.

Fidelity Stock Disinfectant, Fidelity Laboratories, Inc., Chicago, Ill.

Fort Dodge Saponified Cresylic Solution, Fort Dodge Laboratories, Inc., Fort Dodge, Iowa.

Franklin Crestall Fluid, O. M. Franklin Serum Co., Denver, Colo.

Fulceres Compound, Fuld Bros., Baltimore, Md.

Germalene Cresol Compound, Germalene Chemical Co., Houston, Tex.

Germ-I-Sol, Dr. David Roberts Veterinary Co., Inc., Waukesha, Wis.

Germo-Cresolis, Germo Manufacturing Co., St. Louis, Mo.

Ghost Brand Disinfectant, Albright Laboratories, Jefferson City, Tenn.

Gland-O-Lac Special Disinfectant, The Gland-O-Lac Co., Omaha, Nebr.

Globe 50% Cresol Solution, Globe Laboratories, Fort Worth, Tex.

Glover's Disinfectant, H. Clay Glover Co., Inc., New York, N. Y.

Harco Saponated Cresylic Disinfectant, Harley Soap Co., Philadelphia, Pa.

Hexsolis, The White Tar Co. of New Jersey, Inc., Kearny, N. J.

Hy-Kresol, H. V. Smith & Co., St. Paul, Minn.

Jen-Sal Cresylic Disinfectant, Jensen-Salsbery Laboratories, Inc., Kansas City, Mo.

Jordan's Saponified Cresylic Solution, W. H. & F. Jordan, Jr., Manufacturing Co., Philadelphia, Pa.

KaDeCo Cresylic Acid Solution 50%, Kiefer-Stewart Co., Indianapolis, Ind.

Karspray, West Disinfecting Co., Long Island City, N. Y.

Kem-Pro Cresol Fluid, Chemical Products Inc., Shelton, Conn.

Keystone Brand Cresylic Disinfectant, James Good, Inc., Philadelphia, Pa.

Keystone Brand Saponated Solution of Cresol, U. S. P. XI, James Good, Inc., Philadelphia, Pa.

Kingol Spray, King Chemical Co., Philadelphia, Pa.

Kleenwell Saponified Cresylic Acid Solution, Chicago Sanitary Products Co., Chicago, Ill.

Koppers Disinfectant No. 5 Water-Soluble, Koppers Co., Pittsburgh, Pa.

Kre-Lik, J. F. DeVine Laboratories, Inc., Goshen, N. Y.

Kremulso, Thompson-Hayward Chemical Co., Kansas City, Mo.

Kre-Sol, Connecticut Chemical & Disinfectant Co., Inc., New Haven, Conn.

Kresolig, Z. D. Gilman, Inc., Washington, D. C.

Kresylinol, The Shores Co., Inc., Cedar Rapids, Iowa.

Lacco Cresol Compound, Los Angeles Chemical Co., Los Angeles, Calif.

Lanco Cresyl Disinfectant, Lavin Chemical Co., Lynn, Mass.

Lee's 50% Cresol Solution, Geo. H. Lee Co., Omaha, Nebr.

Lilly's Cresol Compound, U. S. P., Eli Lilly & Co., Indianapolis, Ind.

Marcreso, Marrinan Supply Co., Inc., St. Paul, Minn.

Martin-Senour 50% Cresylic Disinfectant, The Martin-Senour Co., Chicago, Ill.

Massachusetts Farm Bureau Stable Disinfectant, Massachusetts Farm Bureau Federation, Inc., Waltham, Mass.

McClellan's R-X-Sol, C. U. McClellan Laboratories Corporation, Los Angeles, Calif.

Midland Cresylic Disinfectant, Midland Chemical Laboratories, Inc., Dubuque, Iowa.

Miller's 50% Cresylic Disinfectant, Miller Chemical Co., Inc., Omaha, Nebr.

Miracol Compound, Mirax Chemical Products Corporation, St. Louis, Mo.

Myco Disinfecto, Masury-Young Co., Boston, Mass.

Nedcostall Fluid, New England Disinfectant Co., Boston, Mass.

Northern Drug Company Sanisol, Northern Drug Co., Duluth, Minn.

NSCO Cresol Compound, National Supply Co., Birmingham, Ala.

Pennsylvania Railroad Saponified Cresol Solution, Pennsylvania Railroad Co., Altoona, Pa.

Phin-O-Tas Cresylic Compound, Phinotas Chemical Co., Inc., New York, N. Y.

Picco 50% Cresylic Acid Compound, Pennsylvania Industrial Chemical Corporation, Clairton, Pa.

Poltrifect, Poultry Producers of Central California, San Francisco, Calif.  
 Purina Cre-So-Fec, Ralston Purina Co., St. Louis, Mo.  
 Purisol, The Puritan Manufacturing Co., Waterbury, Conn.  
 Puritan #540 Cresylic Compound, Puritan Chemical Co., Atlanta, Ga.  
 Rawleigh's Kreo, The W. T. Rawleigh Co., Freeport, Ill.  
 Reilly Cresolis Compound, Republic Creosoting Co., Indianapolis, Ind.  
 Rogers 50% Cresylic Disinfectant, Detroit White Lead Works, Detroit, Mich.  
 Sanieres Cresylic Compound, Burkart-Schier Chemical Co., Chattanooga, Tenn.  
 Sanisol, McLaughlin Gormley King Co., Minneapolis, Minn.  
 San-I-Sol, E. M. Peet Manufacturing Co., Council Bluffs, Iowa.  
 Sapo Cresol Special, Louis C. Traband & Co., East St. Louis, Ill.  
 Sherwin-Williams 50% Cresylic Disinfectant, The Sherwin-Williams Co., Chicago, Ill.  
 Sherwin-Williams Liquor Cresolis Saponatus, U. S. P., Sherwin-Williams Co., Chicago, Ill.  
 Socony So-Cre-Sil Disinfectant, Socony-Vacuum Oil Co., New York, N. Y.  
 Solukress, Kremers-Urban Co., Milwaukee, Wis.  
 Solution Cresol Compound Merck U. S. P., Merck & Co., Inc., Rahway, N. J.  
 Solution Cresol Saponated, U. S. P.-Abbott, Abbott Laboratories, North Chicago, Ill.  
 Stanco Solution of Cresol Compound, Standard Drug Co., Meridian, Miss.  
 Standard 50% Cresolution, Standard Chemical Manufacturing Co., Omaha, Nebr.  
 Standard Super-Germite, Standard Oil Co., of California, San Francisco, Calif.  
 Supersan Cresylic Compound, Chemical Compounding Corporation, Brooklyn, N. Y.  
 Tekresol, Whitmoyer Laboratories, Inc., Myerstown, Pa.  
 The California Company Super-Germite, The California Co., San Francisco, Calif.  
 Tri-Kreicide, Pitman-Moore Co., Indianapolis, Ind.  
 U-C Cresolis, United Chemical Co., Inc., Kansas City, Mo.  
 UD Solution Cresol Compound (Liquor Cresolis Saponatus U. S. P. XI), United Drug Co., Boston, Mass.  
 Universal Cresolum, Universal Laboratories, St. Louis, Mo.  
 Usol Cresylic Compound, Standard Tar Products Co., Milwaukee, Wis.  
 Val-A Saponified Cresol Solution, Val-A Co., Chicago, Ill.  
 Vestal Disinfecting Fluid, Vestal Chemical Laboratories, Inc., St. Louis, Mo.  
 Ward's Sa-Po-Cres, Dr. Ward's Medical Co., Winona, Minn.  
 Whitmer's 50% Cresol Solution, The H. C. Whitmer Co., Inc., Columbus, Ind.  
 Worrell's Crespolin, The Worrell Manufacturing Co., St. Louis, Mo.  
 York's 50% Cresylic Solution, The C. W. York Co., Madrid, Iowa.

### CHANGES IN PROBATIONARY PERIODS

Under recent orders of the United States Civil Service Commission the length of probationary periods of new employees will be as follows:

*All Professional (P) Grades.*—For appointments made between January 16, 1940, and November 6, 1940, inclusive, the probationary period is 1 year. For appointments made between November 7, 1940, and January 14, 1941, inclusive, the probationary period is 6 months. For appointments made on and after January 15, 1941, the probationary period is 1 year.

*Grades SP-6 and above and Grades CAF-5 and above.*—For appointments made between January 16, 1940, and July 15, 1940, inclusive, the probationary period expired on January 15, 1941. For appointments made between July 16, 1940, and August 6, 1940, inclusive, the probationary period is 6 months. For appointments made between August 7, 1940, and November 6, 1940, inclusive, the probationary period is 1 year. For appointments made between November 7, 1940, and February 5, 1941, inclusive, the probationary period is 6 months. For appointments made on and after February 6, 1941, the probationary period is 1 year.

*Grades SP-5 and below, Grades CAF-4 and below, and all Custodial (CU) Grades.*—For appointments made between January 16, 1940, and July 15, 1940, inclusive, the probationary period expired on January 15, 1941. For appointments made on and after July 16, 1940, the probationary period is 6 months.

This supersedes notice on page 22 of Service and Regulatory Announcements for February 1939.

### FARM HANDBOOKS ON FEDERAL AND STATE SERVICES

Through arrangements between the Bureau and the Department's Office of Information, farm handbooks relating to Federal and State agricultural services in the various States are to be distributed to the principal field stations and offices of the Bureau. The handbooks have been prepared to familiarize Department employees, State specialists, county agents, and other key agricultural workers with the various official services available to farmers and the public.

The farm handbook for Maryland has already been issued and those for North Carolina, Minnesota, and California will shortly be ready for distribution. Bureau employees should familiarize themselves with the contents of these handbooks and others to be issued later, especially as they relate to Bureau work in the States concerned.

### NEW PUBLICATIONS OF THE BUREAU

[The Bureau keeps no mailing list for sending publications to individual employees, but sends copies to officers in charge of stations and offices. These publications should be regarded as notification copies. So far as possible, additional copies will be furnished on request.]

Circular 583. Eggs and Egg Products. By Poultry and Egg Specialists of the United States Department of Agriculture. Pp. 91, figs. 36.

Farmers' Bulletin 1871. Brucellosis of Cattle (Bang's Disease, Infectious Abortion). By A. Eichhorn and A. B. Crawford, Animal Disease Station. Pp. 22, figs. 5.

Farmers' Bulletin 1068 (revised). Judging Beef Cattle. By W. H. Black, Animal Husbandry Division. Pp. 14, figs. 8.

Farmers' Bulletin 578 (revised). The Making and Feeding of Silage. By T. E. Woodward, Division of Dairy Cattle Breeding, Feeding, and Management Investigations, Bureau of Dairy Industry, W. H. Black, D. A. Spencer, and J. O. Williams, Animal Husbandry Division. Pp. 30, figs. 11.

A. H. D. No. 25 (revised). State Participation in The National Poultry Improvement Plan, March 15, 1941. By Animal Husbandry Division. Pp. 5, mimeographed.

A. H. D. No. 35 (revised). U. S. Record of Performance Breeders Participating in The National Poultry Improvement Plan. By Animal Husbandry Division. Pp. 20, mimeographed.

A. H. D. No. 36. Hatcheries Participating in The National Poultry Improvement Plan, February 1, 1941. By Animal Husbandry Division. Pp. 99, mimeographed.

A. H. D. No. 37. Record-of-Performance Procedure for Beef Cattle. By Animal Husbandry Division. Pp. 4, mimeographed.

Maryland Farm Handbook, 1940. State and Federal Agricultural Services, Pp. 56. (Deals in part with Bureau activities.)

### AMENDMENTS TO DEPARTMENT REGULATIONS

The following amendments to the regulations of the Department have been issued:

Amendment 117, covering a revised letter of transmittal.

Amendment 118, covering regulation 1543.

## ORGANIZATION OF THE BUREAU OF ANIMAL INDUSTRY

*Chief:* JOHN R. MOHLER.

*Assistant Chief:* A. W. MILLER.

*Assistant Chief:* HARRY W. SCHOENING.

*Assistant Chief:* PAUL E. HOWE.

*Business Manager:* J. R. COHRAN.

*Assistant Business Manager:* N. A. OLMSTEAD.

*Assistant to Chief:* D. S. BURCH.

*Animal Husbandry Division:* HUGH C. MCPHEE, Chief.

*Animal Nutrition Division:* PAUL E. HOWE, Chief.

*Division of Tick Eradication and Special Diseases:* W. M. MACKELLAR, Chief.

*Division of Virus-Serum Control:* D. I. SKIDMORE, Chief.

*Field Inspection Division:* S. O. FLADNESS, Chief.

*Interstate Inspection Division:* A. W. MILLER, Chief.

*Meat Inspection Division:* EDWARD C. JOSS, Chief.

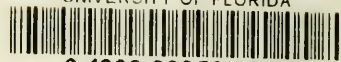
*Pathological Division:* HARRY W. SCHOENING, Chief.

*Tuberculosis Eradication Division:* A. E. WIGHT, Chief.

*Zoological Division:* BENJAMIN SCHWARTZ, Chief.

*Animal Disease Station.* ADOLPH EICHORN, Director.

UNIVERSITY OF FLORIDA



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